## **Refine Search**

#### Search Results -

Terms	Documents				
L5 and L1	19				

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US Patents Full-Text Database

US OCR Full-Text Database

Database:

EPO Abstracts Database
JPO Abstracts Database

Derwent World Patents Index IBM Technical Disclosure Bulletins

TOW Technical Disclosure Bulletin

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### **Search History**

DATE: Tuesday, March 28, 2006 Printable Copy Create Case

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<u>L1</u>	(program same creation) and (input\$4 same spreadsheet\$1)	367	<u>L1</u>
<u>L2</u>	spreadsheet\$1 same (custom\$8 same interface\$1)	331	<u>L2</u>
<u>L3</u>	spreadsheet\$1 same (custom\$8 same input same interface\$1)	63	<u>L3</u>
<u>L4</u>	L3 and (hidden same spreadsheet)	5	<u>L4</u>
<u>L5</u>	715/503.ccls.	365	<u>L5</u>
<u>L6</u>	L5 and L1	19	<u>L6</u>

**END OF SEARCH HISTORY** 

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# Freeform Search

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<u>L1</u>	program same development same spreadsheet\$1	407	<u>L1</u>
<u>L2</u>	L1 and (custom near program\$1)	69	<u>L2</u>
<u>L3</u>	L2 and (hidden same spreadsheet\$1)	0	<u>L3</u>
<u>L4</u>	L1 and (hidden same spreadsheet\$1)	25	<u>L4</u>
<u>L5</u>	(program same creation) and (input\$4 same spreadsheet\$1)	367	<u>L5</u>
<u>L6</u>	L5 and (hidden same spreadsheet\$1)	17	<u>L6</u>
<u>L7</u>	machine vision same spreadsheet\$1	29	<u>L7</u>

END OF SEARCH HISTORY

## **Hit List**

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Search Results - Record(s) 1 through 19 of 19 returned.

☐ 1. Document ID: US 20060053383 A1

Using default format because multiple data bases are involved.

L6: Entry 1 of 19

File: PGPB

Mar 9, 2006

PGPUB-DOCUMENT-NUMBER: 20060053383

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060053383 A1

TITLE: Integrated method for creating a refreshable web query

PUBLICATION-DATE: March 9, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY Gauthier; Matthew Charles Redmond WA US Inbar; Yaniv Bellevue WA US Murray; Tyson Maple Valley WA US Chen; Wentao Sammamish WA US Verprauskus; Andy Seattle WA US Jacques; Richard Kirkland WA US

US-CL-CURRENT: 715/764; 707/10, 707/3, 715/503, 715/504, 715/804

Full Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw, D
□ 2.	Docume	nt ID:	US 20	060053363	A1						
L6: Ent	ry 2 of	19		•	File:	PGPB			Mar 9	, 200	6

PGPUB-DOCUMENT-NUMBER: 20060053363

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060053363 A1

TITLE: Graphically defining a formula for use within a spreadsheet program

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMAC	Draw, D

☐ 3. Document ID: US 20060015806 A1

L6: Entry 3 of 19

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060015806

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060015806 A1

TITLE: Networked spreadsheet template designer

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw De 

4. Document ID: US 20050081141 A1

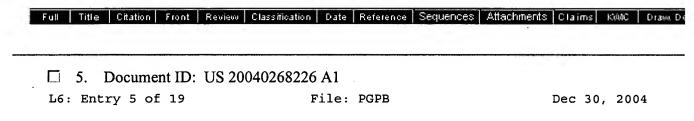
L6: Entry 4 of 19 File: PGPB Apr 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050081141

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050081141 A1

TITLE: Visual programming system and method

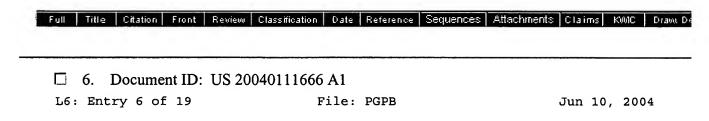


PGPUB-DOCUMENT-NUMBER: 20040268226

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040268226 A1

TITLE: Facilitating the development of computer programs



PGPUB-DOCUMENT-NUMBER: 20040111666

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040111666 A1

TITLE: Software replicator functions for generating reports

ull Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC [	Fr	on	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw
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☐ 7. Document ID: US 20020194217 A1

L6: Entry 7 of 19

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020194217

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020194217 A1

TITLE: Metadata graphial user interface

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

□ 8. Document ID: US 20020169799 A1

L6: Entry 8 of 19

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020169799

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020169799 A1

TITLE: Systems and methods providing dynamic spreadsheet functionality

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw. De

9. Document ID: US 20010016855 A1

L6: Entry 9 of 19

File: PGPB

Aug 23, 2001

PGPUB-DOCUMENT-NUMBER: 20010016855

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010016855 A1

TITLE: Multi-dimensional table data management unit and recording medium storing

therein a spreadsheet program

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw, De

10. Document ID: US 6920608 B1

L6: Entry 10 of 19 File: USPT Jul 19, 2005

US-PAT-NO: 6920608

DOCUMENT-IDENTIFIER: US 6920608 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Chart view for reusable data markup language

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw De

L6: Entry 15 of 19

Oct 17, 2000

☐ 11. Document ID: US 6626959 B1 L6: Entry 11 of 19 File: USPT Sep 30, 2003 US-PAT-NO: 6626959 DOCUMENT-IDENTIFIER: US 6626959 B1 TITLE: Automatic formatting of pivot table reports within a spreadsheet Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De ☐ 12. Document ID: US 6411313 B1 L6: Entry 12 of 19 File: USPT Jun 25, 2002 US-PAT-NO: 6411313 DOCUMENT-IDENTIFIER: US 6411313 B1 TITLE: User interface for creating a spreadsheet pivottable Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De ☐ 13. Document ID: US 6360188 B1 L6: Entry 13 of 19 File: USPT Mar 19, 2002 US-PAT-NO: 6360188 DOCUMENT-IDENTIFIER: US 6360188 B1 \*\* See image for Certificate of Correction \*\* TITLE: Time-based modeling Full Title Citation Front Review Classification Date Reference Sequences Altechments Claims KMC Draw. De ☐ 14. Document ID: US 6292811 B1 L6: Entry 14 of 19 File: USPT Sep 18, 2001 US-PAT-NO: 6292811 DOCUMENT-IDENTIFIER: US 6292811 B1 TITLE: Populating cells of an electronic financial statement Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De ☐ 15. Document ID: US 6134563 A

File: USPT

US-PAT-NO: 6134563

DOCUMENT-IDENTIFIER: US 6134563 A

\*\* See image for Certificate of Correction \*\*

TITLE: Creating and editing documents

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWIC Draw, De

☐ 16. Document ID: US 5768158 A

L6: Entry 16 of 19

File: USPT

Jun 16, 1998

US-PAT-NO: 5768158

DOCUMENT-IDENTIFIER: US 5768158 A

\*\* See image for Certificate of Correction \*\*

TITLE: Computer-based system and method for data processing

Full Title Citation Front Review Classification Date Reference **Sequences Attachments** Claims KMC Draw. De

☐ 17. Document ID: US 5371675 A

L6: Entry 17 of 19

File: USPT

Dec 6, 1994

US-PAT-NO: 5371675

DOCUMENT-IDENTIFIER: US 5371675 A

TITLE: Spreadsheet program which implements alternative range references

Full Title Citation Front Review Classification Date Reference **Sequences Attachments** Claims KWIC Draw. De

☐ 18. Document ID: US 5293615 A

L6: Entry 18 of 19

File: USPT

Mar 8, 1994

US-PAT-NO: 5293615

DOCUMENT-IDENTIFIER: US 5293615 A

TITLE: Point and shoot interface for linking database records to spreadsheets whereby data of a record is automatically reformatted and loaded upon issuance of a

recalculation command

Full Title Citation Front Review Classification Date Reference Sequences Attachments Chaims KMIC Draw, De

☐ 19. Document ID: US 5033009 A

L6: Entry 19 of 19

File: USPT

Jul 16, 1991

US-PAT-NO: 5033009

DOCUMENT-IDENTIFIER: US 5033009 A

TITLE: System for generating worksheet files for electronic spreadsheets

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D
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spreadsheet AND custom interface



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Document interaction: Clip, connect, clone: combining application elements to build

custom interfaces for information access Jun Fujima, Aran Lunzer, Kasper Hornbæk, Yuzuru Tanaka

Result page: 1 2

October 2004 Proceedings of the 17th annual ACM symposium on User interface software and technology

Publisher: ACM Press

Full text available: P pdf(1.52 MB) Additional Information: full citation, abstract, references, index terms

Many applications provide a form-like interface for requesting information: the user fills in some fields, submits the form, and the application presents corresponding results. Such a procedure becomes burdensome if (1) the user must submit many different requests, for example in pursuing a trial-and-error search, (2) results from one application are to be used as inputs for another, requiring the user to transfer them by hand, or (3) the user wants to compare results, but only the results fr ...

Keywords: customized information access, end-user programming, parallel exploration

2 Graphical techniques in a spreadsheet for specifying user interfaces

Brad A. Myers

March 1991 Proceedings of the SIGCHI conference on Human factors in computing systems: Reaching through technology

Publisher: ACM Press

Full text available: 🔁 pdf(794.10 KB) Additional Information: full citation, references, citings, index terms

3 Applications: Expanding the utility of spreadsheets through the integration of visual

programming and user interface objects

Trevor J. Smedley, Philip T. Cox, Shannon L. Byrne

May 1996 Proceedings of the workshop on Advanced visual interfaces

**Publisher: ACM Press** 

Full text available: pdf(1.22 MB) Additional Information: full citation, abstract, references, citings

One of the primary uses of spreadsheets is in forecasting future events. This involves investigating "what-if" scenarios --- creating a spreadsheet, experimenting with different values for inputs, and observing how they effect the computed values. Unfortunately, current spreadsheets provide little support for this type of interaction. Data values must

be typed in, and computed values can be observed only as numbers, or on simple charts. In this work we extend a spreadsheet which makes use of a v ...

4 User interface specification using an enhanced spreadsheet model



Scott E. Hudson

July 1994 ACM Transactions on Graphics (TOG), Volume 13 Issue 3

Publisher: ACM Press

Full text available: pdf(2.01 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

This paper describes a new interactive environment for user interface specification which is based on an enhanced spreadsheet model of computation. This environment allows sophisticated graphical user interfaces with dynamic feedback to be implemented with little or no explicit programming. Its goal is to support user interface specification by nonprogramming experts in human factors, visual design, or the application domain. In addition, the system is designed to allow sophisticated end-us ...

**Keywords**: automatic display update, constraint systems, direct manipulation, end-user programming, interface builders, prototype-instance-based inheritance, semantic feedback, user interface management systems

5 An introduction to Extend

David Krahl

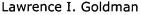
December 1994 Proceedings of the 26th conference on Winter simulation

Publisher: Society for Computer Simulation International

Full text available: 🔁 pdf(755.81 KB) Additional Information: full citation, references, citings, index terms

6 Risk analysis: Crystal ball software tutorial: crystal ball professional introductory tutorial





December 2002 Proceedings of the 34th conference on Winter simulation: exploring new frontiers

Publisher: Winter Simulation Conference

Full text available: 🔁 pdf(312.31 KB) Additional Information: full citation, abstract

Crystal Ball® 2000 Professional Edition is a suite of easy-to-use Microsoft® Excel® add-in software that helps you analyze the risks and uncertainties associated with your spreadsheet models. The suite includes analysis tools for Monte Carlo simulation (Crystal Ball), time-series forecasting (CB Predictor), and optimization (OptQuest) as well as developer kits for building custom interfaces and processes. Spreadsheets alone are inadequate for assessing the probability of an event ...

7 Demonstrational and constraint-based techniques for pictorially specifying application



objects and behaviors

Brad Vander Zanden, Brad A. Myers

December 1995 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 2 Issue 4

Publisher: ACM Press

Full text available: pdf(3.70 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

The Lapidary interface design tool is a demonstrational system that allows the graphics and run-time behaviors that go inside an application window to be specified pictorially. In particular, Lapidary allows the designer to draw example pictures of application-specific

graphical objects that the end user will manipulate (such as boxes, arrows, or elements of a list), the feedback that shows which objects are selected (such as small boxes on the sides and corners of an objec ...

**Keywords**: direct manipulation, interaction, interaction techniques, object-oriented design, programming by example, user interface management systems

8 Example based generation of custom data analysis appliances

Mark Derthick, Steven F. Roth

January 2001 Proceedings of the 6th international conference on Intelligent user interfaces

**Publisher: ACM Press** 

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Full text available: pdf(640.31 KB)

Additional Information: full citation, abstract, references, citings, index

Custom interfaces, which we call appliances, allow users to efficiently carry out specialized tasks. Without one, a user is often required to perform repetitive mechanical steps using general purpose interfaces, which we call tools. Much research has attempted to enable non-programmers to create appliances for themselves. >We present a system in which a user can choose an example of the task behavior to be automated from a visualization of his past operations. The example is tra ...

Keywords: GUI builder, programming with examples, visual query language

9 Evolving task oriented systems

Paul Seaton, Tom Stewart

June 1992 Proceedings of the SIGCHI conference on Human factors in computing systems

**Publisher: ACM Press** 

Full text available: 😭 pdf(673.00 KB) Additional Information: full citation, abstract, citings, index terms

This paper describes an approach to developing systems which can be summarised as 'analyse top-down, design middle-out, and build bottom-up'. A case study is described in which this approach is used to develop a system to support staff who select new products for a major UK company. The novelty of the approach lies in its use of task analysis to define an appropriate domain for the system and then the use of a working prototype to grow a system from the bottom up. The project in ...

**Keywords**: bottom-up methods, design methods, evolutionary design, graphical interfaces, prototyping, task analysis, user involvement

10 Beyond interface builders: model-based interface tools

Pedro Szekely, Ping Luo, Robert Neches

May 1993 Proceedings of the SIGCHI conference on Human factors in computing systems

Publisher: ACM Press

Full text available: pdf(1.01 MB)

Additional Information: full citation, references, citings, index terms

Keywords: UIMS, design process, interface builders, model-based interface tools

VITE: a visual interface supporting the direct manipulation of structured data using

ŀ

two-way mappings

Hao-Wei Hsieh, Frank M. Shipman

January 2000 Proceedings of the 5th international conference on Intelligent user interfaces

**Publisher: ACM Press** 

Full text available: pdf(2.08 MB)

Additional Information: full citation, abstract, references, citings, index

Information processed by computers is frequently stored and organized for the computer's, rather than for the user's, convenience. For example, information stored in a database is normalized and indexed so computers can efficiently access, process, and retrieve it. However, it is not natural for people to manipulate such formal/prescriptive representations. Instead, people frequently sort items by rough notions of association or categorization. One natural organizational process has been fo ...

Keywords: direct manipulation, information visualization, multiple perspectives, spatial pattern recognition, structured data manipulation, visual languages, visual parsing

12 A generalised spreadsheet verification methodology

Nick Randolph, John Morris, Gareth Lee

January 2002 Australian Computer Science Communications, Proceedings of the twenty-fifth Australasian conference on Computer science - Volume 4 CRPITS '02, Volume 24 Issue 1

Publisher: Australian Computer Society, Inc., IEEE Computer Society Press

Full text available: pdf(843.91 KB) Additional Information: full citation, abstract, references, index terms

Although spreadsheets have been around for over thirty years, we are only just realising their importance. Most companies use spreadsheets in their decision-making processes, but rarely employ any form of testing. This paper shows how an "all-uses" test adequacy technique can be integrated into Microsoft's Excel. The modular technique adopted makes the implementation spreadsheet package independent. It also includes a user interface, to assist developers specify test cases and a technique for re ...

**Keywords**: errors, software testing, spreadsheets, verification

13 APL as an embedded language: the ultimate application?

Jean Jacques Girardot

July 1991 ACM SIGAPL APL Quote Quad, Proceedings of the international conference on APL '91 APL '91, Volume 21 Issue 4

Publisher: ACM Press

Full text available: pdf(1.16 MB)

Additional Information: full citation, abstract, references, citings, index

This paper describes a new approach to the development of customized applications. It first discusses two problems whith APL programming: writting efficient programs, and building user interfaces. It then describes the proposed solution, that consists in writting the skeleton of the application in an efficient compiled language, using some predefined building blocks, and developing the other parts in APL. This approach is closer to integrated systems, such as spreadsheets, or data-base managers, ...

14 Noncommand user interfaces

Jakob Nielsen

April 1993 Communications of the ACM, Volume 36 Issue 4

Publisher: ACM Press

Full text available: pdf(6.81 MB) Additional Information: full citation, references, citings, index terms

15 Spreadsheets for images

Marc Levoy

Ņ

July 1994 Proceedings of the 21st annual conference on Computer graphics and interactive techniques

Publisher: ACM Press

Full text available: pdf(69.71 KB) 圖 ps(106.96 KB)

Additional Information: full citation, abstract, references, citings, index

We describe a data visualization system based on spreadsheets. Cells in our spreadsheet contain graphical objects such as images, volumes, or movies. Cells may also contain widgets such as buttons, sliders, or curve editors. Objects are displayed in miniature inside each cell. Formulas for cells are written in a general-purpose programming language (Tcl) augmented with operators for array manipulation, image processing, and rendering. Compared to flow chart visualization systems, ...

**Keywords**: data visualization, flow charts, spreadsheets, user interfaces, visual programming languages

16 Sim Engine: an integrated spreadsheet based simulation modelling and analysis

system

Donald H. Newton, Michael W. Golway

December 1993 Proceedings of the 25th conference on Winter simulation

Publisher: ACM Press

Full text available: pdf(183.72 KB) Additional Information: full citation

17 Health care: Emergency departments I: using simulation in the architectural concept phase of an emergency department design



Allan Wiinamaki, Rainer Dronzek

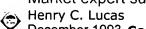
December 2003 Proceedings of the 35th conference on Winter simulation: driving innovation

Publisher: Winter Simulation Conference

Full text available: pdf(437.23 KB) Additional Information: full citation, abstract

This paper describes an emergency care center simulation (ECC) project at Sarasota Memorial Hospital in Sarasota, Florida. The objective was to project bed requirements for an emergency care center expansion. The project team also analyzed the impact on downstream departments that are an integral part of the ECC. The simulation model was developed at a macro level and targeted the capacity requirements based on length of stay for each of the patient areas affected by the expansion. This macro ...

18 Market expert surveillance system



December 1993 Communications of the ACM, Volume 36 Issue 12

Publisher: ACM Press

Full text available: pdf(5.70 MB) Additional Information: full citation, references, index terms

19 A modern APL windows user interface with DOS downwards compatibility: the solution for two years onwards Richard R. N. Eller





#### September 1993 ACM SIGAPL APL Quote Quad, Proceedings of the international conference on APL APL '93. Volume 24 Issue 1

**Publisher: ACM Press** 

Full text available: pdf(817.44 KB) Additional Information: full citation, abstract, references, index terms

Windows 3.1 represents the biggest revolution to APL technology since the advent of full screen techniques. This creates a new challenge to APLers migrating their applications from mainframe or PC DOS environments into Windows 3.1. This paper describes an ease means to adapt existing and new applications to exploit Windows Graphical User Interfaces (GUI). By using the techniques described below one can utilize most GUI features without needing to comprehend the massive amount of detail typical t ...

20 Process design of oil and gas production facilities using expert systems



Hafez Aghili, George Montgomery, Al Amlani, Jatin Shah

June 1988 Proceedings of the 1st international conference on Industrial and engineering applications of artificial intelligence and expert systems -Volume 1 IEA/AIE '88

Publisher: ACM Press

Full text available: 📆 pdf(754.72 KB) Additional Information: full citation, abstract, index terms

An expert system known as the Automated Project Design System (APDS™) has been developed to assist process and facilities engineers in performing preliminary feasibility studies, optimization studies, and provide the basic information required for the initiation of the detailed design for offshore oil and gas production facilities. Given the feedstock and product specifications, the expert system produces a preliminary process flow diagram showing all major pieces of equipm ...

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